

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
 Organization
 International Bureau



(43) International Publication Date
 29 January 2004 (29.01.2004)

PCT

(10) International Publication Number
 WO 2004/009134 A1

(51) International Patent Classification⁷: A61K 49/08, 49/18

(21) International Application Number:
 PCT/EP2003/007962

(22) International Filing Date: 22 July 2003 (22.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
 60/397,000 22 July 2002 (22.07.2002) US

(71) Applicant (for all designated States except US): BRACCO IMAGING S.P.A. [IT/IT]; Via E. Folli, 50, I-20134 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AIME, Silvio [IT/IT]; Via E. Folli, 50, I-20134 Milano (IT). GENINATI CRICH, Simonetta [IT/IT]; Via E. Folli 50, I-20134 Milano (IT). LATTUADA, Luciano [IT/IT]; Via E. Folli, 50, I-20134 Milano (IT).

(74) Agents: MINOJA, Fabrizio et al.; Bianchetti Bracco Minoja S.r.l., Via Rossini, 8, I-20122 Milano (IT).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCEDURES OF CELLULAR LABELLING WITH PARAMAGNETIC COMPLEXES FOR MRI APPLICATIONS

(57) Abstract: The present invention relates to paramagnetic complexes based on lanthanides or transition metals administered in the form of particulates internalised by cells and whose presence in the cells can be detected by MRI techniques.



WO 2004/009134 A1